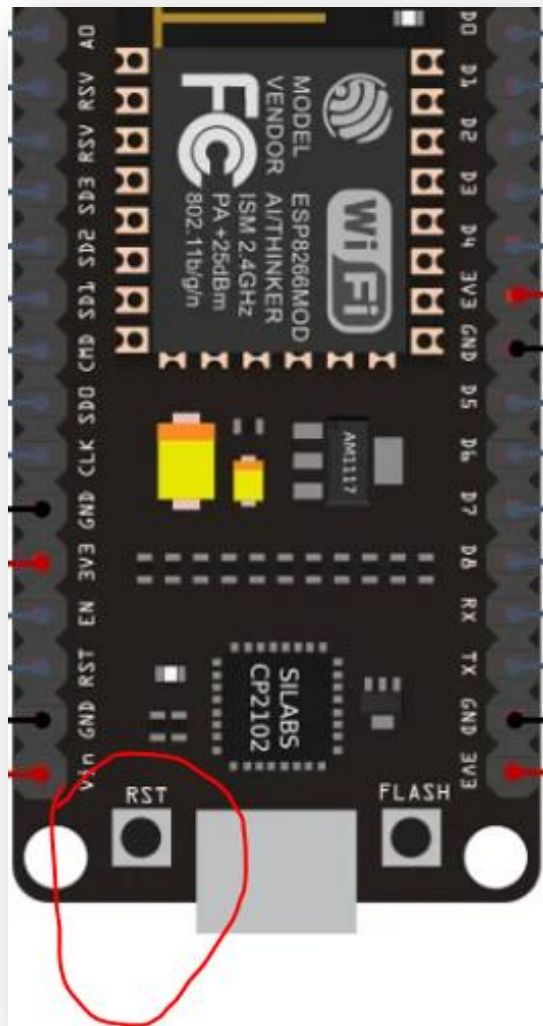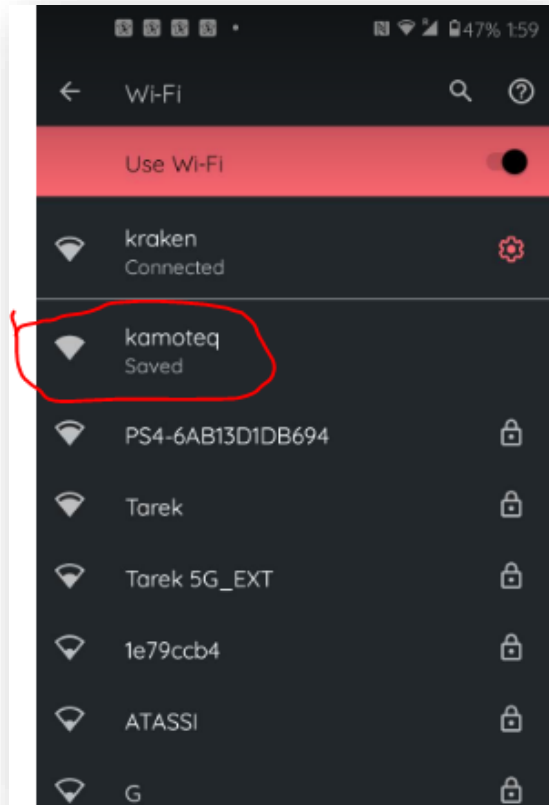# Step 2

WIFI Network Registration

Registering the WIFI Network

1. Reset your device

2. Get your laptop or smartphone or tablet or anything that can connect to a
   WIFI network and has an internet browser like google chrome browser

3. Open the WIFI and find and connect to the "==kamoteq==" hotspot and verify that you successfully connected to the "==kamoteq==" network

4. Open the Google Chrome browser and

enter ==http://192.168.4.1== and a registration page will load,

In the registration form, enter your HOME WIFI network SSID,

PASSWORD, and the new NAME for your ESP device

Note. Please make sure the password has no extra white spaces at the end.
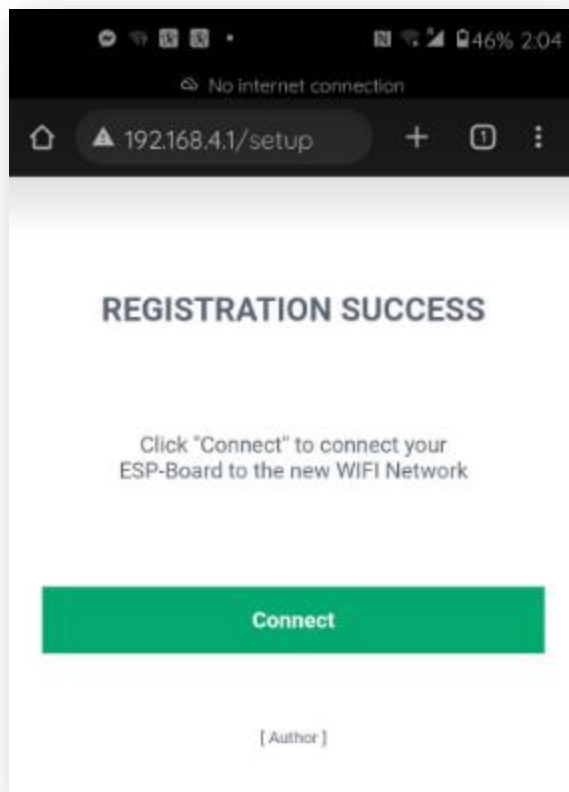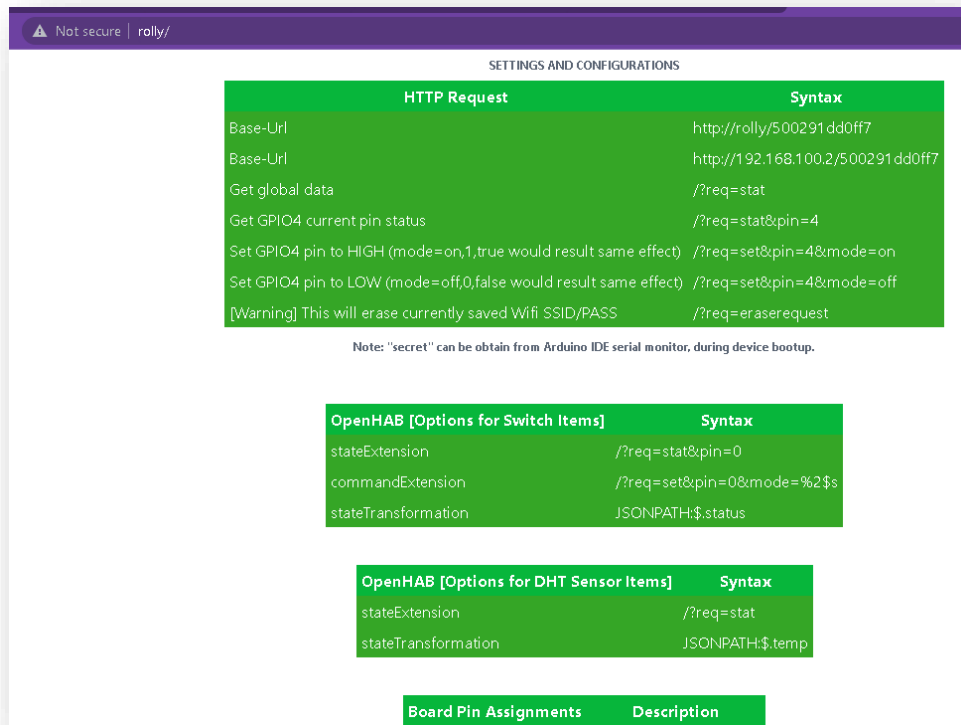
5. After clicking the register button, the confirmation page will load,

   and to finalize the process just click "Connect" this will reset your device

   and your device will attempt to connect to

   the HOME WIFI network you registered,

   if all credentials are correct this will connect your device without any error.

6. Wait for a minute or two, this will connect your device to your home WIFI Network

7. To test the new ESP device, open your google chrome browser and enter http://<device-name>/ a page will load with details on how to control the newly configured ESP device

Example

SETTINGS AND CONFIGURATIONS

HTTP Request	Syntax
Base-Url	http://rolly/500291dd0ff7
Base-Url	http://192.168.100.2/500291dd0ff7
Get global data	/?req=stat
Get GPIO4 current pin status	/?req=stat&pin=4
Set GPIO4 pin to HIGH (mode=on,1,true would result same effect)	/?req=set&pin=4&mode=on
Set GPIO4 pin to LOW (mode=off,0,false would result same effect)	/?req=set&pin=4&mode=off
[Warning] This will erase currently saved Wifi SSID/PASS	/?req=eraserequest

Note: "secret" can be obtain from Arduino IDE serial monitor, during device bootup.

OpenHAB [Options for Switch Items]	Syntax
stateExtension	/?req=stat&pin=0
commandExtension	/?req=set&pin=0&mode=%2$s
stateTransformation	JSONPATH:$.status

OpenHAB [Options for DHT Sensor Items]	Syntax
stateExtension	/?req=stat
stateTransformation	JSONPATH:$.temp

Board Pin Assignments	Description

This Page concluded that the registration and configuration are successful!

Congratulations!

If in case you receive an error, just repeat the process,

and if you made a mistake with the password this must be erased,
on GitHub, there is a special bin file to erase the password.
https://github.com/kamoteqv2/kamoteq-repo/tree/main/kamoteq-password-eraser-bin-file

use the below bin file to flash out the old password
in your ESP device using the nodeMCU flasher
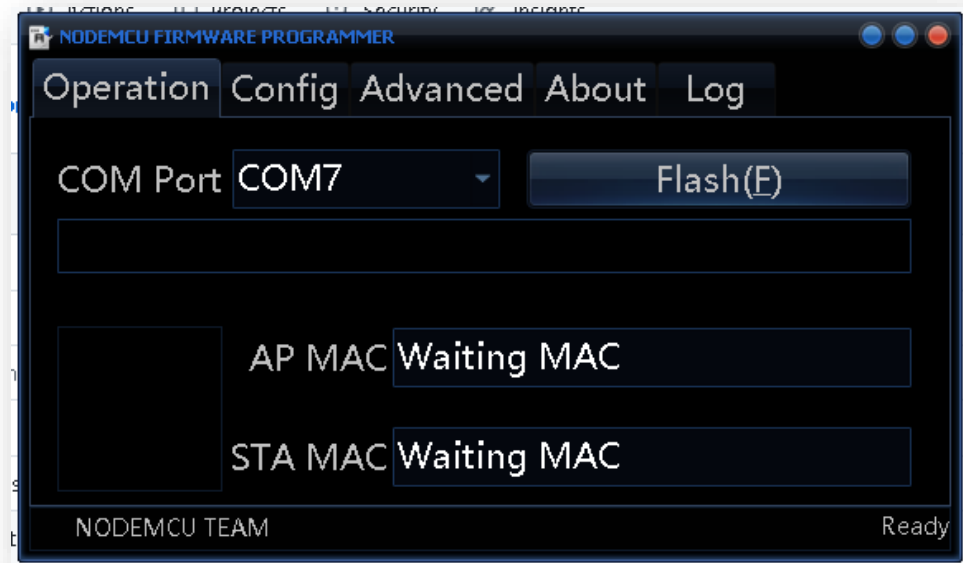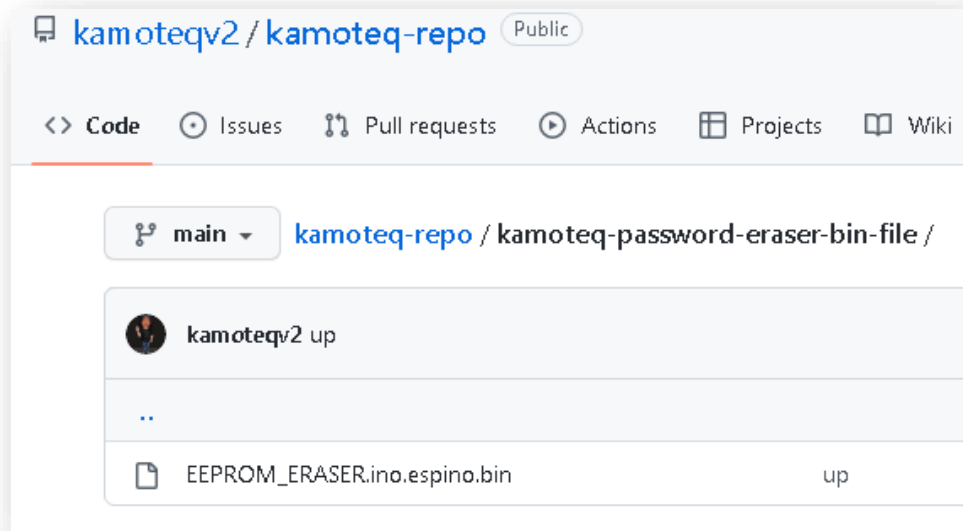
This completes the STEP 2 (WIFI Registration)

Proceed to STEP 3 (Java Installation and Configuration)

End